

Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster

Code: DO280R
URL: [View Online](#)

Red Hat OpenShift Administration I (DO280) teaches you how to install and administer the Red Hat® OpenShift® Container Platform. This hands-on, lab-based course shows you how to install, configure, and manage OpenShift clusters and deploy sample applications to further understand how developers will use the platform.

Skills Gained

OpenShift is a containerized application platform that allows enterprises to manage container deployments and scale their applications using Kubernetes. OpenShift provides predefined application environments and builds upon Kubernetes to provide support for DevOps principles such as reduced time to market, infrastructure-as-code, continuous integration (CI), and continuous delivery (CD).

- Install an OpenShift Container Platform cluster
- Configure and manage masters and nodes
- Secure OpenShift
- Control access to resources on OpenShift
- Monitor and collect metrics on OpenShift
- Deploy applications on OpenShift Platform Container using Source-to-Image (S2I)
- Manage storage on OpenShift

Who Can Benefit

This course is designed for system administrators responsible for creating OpenShift Enterprise instances, deploying applications, creating process customizations, managing instances and projects.

Prerequisites

- Become a Red Hat Certified System Administrator, or demonstrate equivalent Red Hat Enterprise Linux system administration experience
- Complete Introduction to Containers, Kubernetes, and Red Hat OpenShift (DO180), or demonstrate equivalent experience with containers, Kubernetes, and OpenShift basics

Course Details

Introduction to Red Hat OpenShift Container Platform

- List the features and describe the architecture of the Openshift Container Platform.

Install OpenShift Container Platform

- Install OpenShift and configure the cluster.

Explore OpenShift networking concepts

- Describe and explore OpenShift networking concepts.

Execute commands

- Execute commands using the command-line interface.

Manage OpenShift resources

- Control access to OpenShift resources.

Allocate persistent storage

- Implement persistent storage.

Manage application deployments

- Manipulate resources to manage deployed applications.

Metrics subsystem

- Install and configure the metrics-gathering system.

Manage and monitor

- Manage and monitor OpenShift resources and software.

Download Whitepaper: Accelerate Your Modernization Efforts with a Cloud-Native Strategy

Get Your Free Copy Now